

DESCRIPTION

FrostTherm FPC-SR is a self-regulating parallel type heating cable comprising a semi-conductive heating core extruded over plated copper bus wires with TPE primary insulation, braided metal earth sheath and Fluoropolymer or TPE outer jacket. FrostTherm can be cut to any length and being self-limiting, automatically varies its heat output with changes to surrounding temperatures. As the cable self-regulates its heat output, it limits the maximum sheath temperature, thus making it burn-out proof. The 'cold tail' can be terminated to a supply cable and connected directly to the mains supply. 1 year manufacturers warranty.

APPLICATION

FrostTherm freeze protection cables are robust and tough and designed for on-pipe as well as in-pipe in domestic and commercial applications to protect against water freezing. FPC is adaptable to all areas where natural frost protection cannot be achieved. FrostTherm is constructed of a self-regulating polymer core that varies its output along its entire length, saving energy and eliminating hot spots.

COMPLIANCES

- IEC 60800
- EN-62395-1

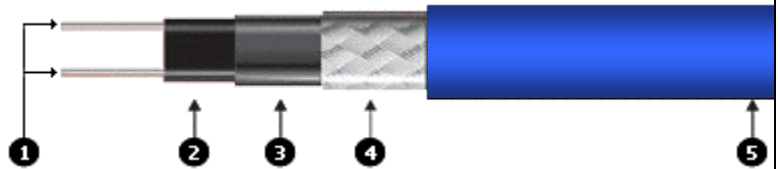


CONSTRUCTION

- 1) Coated copper bus wires
- 2) Semi conductive heating core extruded over bus wires
- 3) TPE Insulation
- 4) Coated copper braid for continuous ground path
- 5) TPE or Fluoropolymer

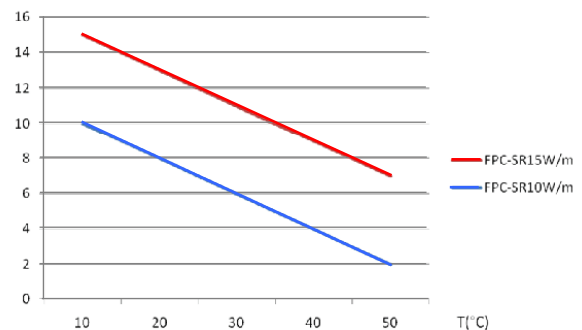
Nominal dimensions:

- 9.1mm x 6.8mm (TPE outer)
- 7.8mm x 5mm (Fluoropolymer outer)



TECHNICAL SPECIFICATIONS

Cable	FPC-SR10	FPC-SR15
Heating Power W/m (230V AC) at 10 °C	10	15
Voltage Supply	230VAC, 50Hz	
Min. Installation Temperature	-30 °C	
Application Temperature up to	-30 °C	
Operating Temp – Switched on	Max 65 °C	
Operating Temp – Switched off	Max 65 °C (1000 hours cumulative)	
Minimum Bending Radius	35mm	
Circuit Breaker	Max. 10A (C type)	



Start temp	Breaker (A)	FPC- RS10	FPC-RS15
		10	100/60*
0°C	m	95	66
-20°C	m	77	52

* for drinking water in pipes

Max trace length vs breaker size

INSTALLATION

- FrostTherm FPC can be installed onto pipes or directly into pipes to prevent against water freeze.
- No special tools required.
- Termination and power connection kits available for quick and easy installation.

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